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## (54) FORMED CATALYST FOR HYDROGENATION TREATMENT AND PRODUCING METHOD THEREOF

### (57)Abstract:

PROBLEM TO BE SOLVED: To provide a formed catalyst for hydrogenation treatment which exhibits excellent desulfurizing and decomposing activity when used for the hydrogenation treatment of hydrocarbon oils, in particular, a reduced pressure light oil, a light oil and a kerosine, etc., and has excellent properties, and a producing method thereof.

SOLUTION: This formed catalyst for hydrogenation treatment is formed by depositing at least one kind of metallic component selected from the Periodic Table group IVa and VIII on a phosphate-silica-alumina carrier and has the following properties 1-7: 1. Surface area is  $\geq 300$  m<sup>2</sup>/g. 2. Pore volume is 0.45-0.80 ml/g. 3. Bulk specific gravity is 0.45-0.80 g/ml. 4. Average pore diameter is 60-90  $\mu$ m. 5. The pore ratio of  $\geq 100$   $\mu$ m is  $\geq 15\%$ . 6. The value of [pore volume (PV) occupied by pores of the average pore diameter  $\pm 10$   $\mu$ m]  $\times 100$  / [pore volume occupied by pores of  $\geq$  pore diameter 34  $\mu$ m] is  $\geq 50\%$ . 7. Mechanical strength is  $\geq 7$  N/mm.

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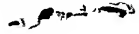
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